

CLAIMS:

1. A lighting unit provided with a concave reflector having an axis of symmetry and with a light emission window bounded by an edge of the reflector which surrounds the axis transversely thereto,

- an elongate light source which is axially arranged substantially on the axis of symmetry and which is accommodated in a holder opposite the light emission window, and
- a cup-shaped axially positioned cap serving as an optical screening means that partly surrounds the light source for intercepting unreflected light rays, characterized in that the cap is surrounded at a distance d by a screening ring which extends over a height h in the direction of the light emission window.

2. A lighting unit as claimed in claim 1, characterized in that, the screening ring extends at the side facing the holder up to a plane transverse to the axis of symmetry and defined by the cup-shaped cap.

3. A lighting unit as claimed in claim 1 or 2, characterized in that the screening ring forms part of a conical surface with a maximum apex angle of 10° .

4. A lighting unit as claimed in any one of the preceding claims, wherein the reflector and the light source are indetachably integrated into a lamp.

5. A lamp as claimed in claim 4, characterized in that the lamp is a metal halide lamp with a ceramic discharge vessel.